

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-92) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 96429/9085

SERIAL NO.: 09/463,276

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT:

APPLICANT: First et al.

(Use several sheets if necessary)

FILING DATE: January 26, 2000

GROUP:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
9w	AA	4,994,384	02/19/19	Prather et al.			
1	AB	5,057,420	10/15/91	Massey, J. M.			
	AC	5,453,366	09/26/95	Sims et al.			
	AD	5,496,720	03/05/96	Susko-Parrish et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
9w	AE	WO95/08625	03/30/95	PCT			
1	AF	WO95/16770	06/22/95	PCT			
	AG	WO95/17500	06/29/95	PCT			
	AH	WO96/07732	03/14/96	PCT			
	AI	WO97/07668	03/06/97	PCT			
	AJ	WO97/07669	06/03/97	PCT			

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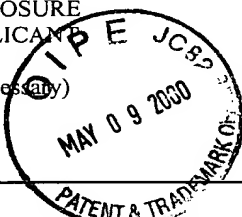
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SW	AK	Anderson, G. B., Isolation and Use of Embryonic Stem Cells from Livestock Species, <i>Animal Biotechnology</i> 3, 165-175 (1992).
	AL	Barnes and First, Embryonic Transcription in in vitro Cultured Covine Embryos, <i>Molecular Reproduction and Development</i> 29, 117-123 (1991).
	AM	Brandeis et al., Dynamics of DNA Methylation During Development, <i>BioEssays</i> , 15 709-713 (1993)
	AN	Campbell et al., Sheep Cloned by Nuclear Transfer from a Cultured Cell Line, <i>Nature</i> , 380 64-66 (1996)
	AO	Capecchi, Altering the Genome by Homologous Recombination, <i>Science</i> 244, 1288-1292 (1989).
	AP	Conover et al., Stage Specific Expression of a Family of Proteins that are Major Products of Gene Activation in the Mouse Embryo, <i>Developmental Biology</i> 144, 392-404 (1991).
	AQ	Crosby et al., Control of Protein Synthesis During Early Cleavage of Sheep Embryos, <i>Journal of Reproduction and Fertility</i> 82, 769-775 (1988).
	AR	DiBerardino, Genomic Potential of Differentiated Cells Analyzed by Nuclear Transplantation American Zoology, 27, 623-644 (1987).
	AS	Dominko and First, Timing of Meiotic Progression in Bovine Oocytes and Its Effect on Early Embryo Development, <i>Molecular Reproduction and Development</i> , 47, 456-467 (1997).
	AT	First et al., Systems for Production of Calves from Cultured Bovine Embryonic Cells, <i>Reproduction, Fertility and Development</i> , 6 553-562 (1994).
	AU	Fulka et al., Nuclear Transplantation in Mammals: Remodeling of Transplanted Nuclei Under the Influence of Maturation Promoting Factor, <i>BioEssays</i> , 18 835-840 (1996).
	AV	Graham, The Fusion of Cells with One and Two Cell Mouse Embryos, <i>Wistar. Inot. Symp. Monogr.</i> , 9, 19 (1969).
	AW	Gurdon, Nuclear Transplantation in Eggs and Oocytes, <i>Journal of Cell Science</i> 4 (Supp.) 287-318 (1987).
	AX	Joyner, Gene Targeting and Gene Trap Screens Using Embryonic Stem Cells: New approaches to Mammalian Development, <i>BioEssays</i> 13, 649-658 (1991).

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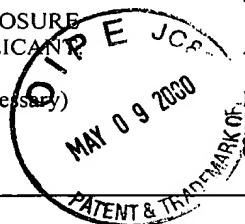
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26	AY	Koller et al., Germ-line transmission of a planned alteration made in a hypoxanthine phosphoribosyltransferase gene by homologous recombination in embryonic stem cells <i>Proceedings of the National Academy of Sciences, USA</i> 86, 8927-8931 (1989).
	AZ	McGrath and Solter, Nuclear Transplantation in the Mouse Embryo by Microsurgery and Cell Fusion, <i>Science</i> 220, 1300-1302 (1983).
	BA	Meng et al., Full Term Development of Rhesus Monkeys Produced by Nuclear Transfer, <i>Biology of Reproduction</i> (Supp.) 56, 87 (1997).
	BB	Parrish et al., Capacitation of Bovine Sperm by Heparin, <i>Biology of Reproduction</i> 38, 1171-1180 (1988).
	BC	Prather et al., Nuclear Transplantation in Early Pig Embryos, <i>Biology of Reproduction</i> , 41 414 418 (1989).
	BD	Prather et al., Nuclear Lamin Antigens are Developmentally Regulated during Porcine and Bovine Embryogenesis, <i>Biology of Reproduction</i> , 40 123-132 (1989).
	BE	Prather and First, Cloning Embryos by Nuclear Transfer, <i>Journal of Reproduction and Fertility</i> , Supplement 41, 125-134 (1990).
	BF	Robl et al., Nuclear Transplantation in Bovine Embryos, <i>Journal of Animal Science</i> , 64 642-647 (1986).
	BG	Robl et al., Nuclear Transplantation in the Bovine Embryo: Assessment of Donor Nuclei and Recipient Oocyte, <i>Biology of Reproduction</i> , 37 859-866 (1987).
	BH	Rosenkrans et al., <i>Journal of Animal Science</i> 72, 434-437 (1993).
	BI	Sims and First, Production of Calves by Transfer of Nuclei from Cultured Inner Cell Mass Cells, <i>Proceedings of the National Academy of Sciences USA</i> , 90 6143-6147 (1993).
	BJ	Sirard et al., The Culture of Bovine Oocytes to Obtain Developmentally Competent Embryos, <i>Biology of Reproduction</i> 39, 546-552 (1988).
	BK	Stanton et al., Germ Line Transmission of an Inactive N-myc Allele Generated by Homologous Recombination in Mouse Embryo Stem Cells, <i>Molecular and Cellular Biology</i> 10, 6755-6758 (1990).
	BL	Stewart, C. L., Prospects for the Establishment of Embryonic Stem Cells and Genetic Manipulation of Domestic Animals, <i>Animal Applications of Research in Mammalian Development</i> , eds. Pederson, R. A., McLaren, A., and First, N. (Cold Spring Harbor Laboratory Press, Plainview, NY) 267-283 (1991).

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